STA Search History

FILE 'HOME' ENTERED AT 13:42:03 ON 19 MAY 2003

- QUE (DNA (S) (VACCINE OR IMMUN#######)) AND (PARAINFLUENZA## OR (PARAINFLU ENZ### WITH BOVINE) OR PIV OR PI-3 OR BPI-3 OR BPIV-3 OR PIV-3 OR BPIV)
- L4 24 L3 AND BOVINE (P) (PARAINFLUENZA OR PIV OR PI-3) AND (NEURAMINI DASE OR HN OR FUSION OR F OR HEMAGGLUTININ (A) NEURAMINIDASE)
- L5 . 12 L3 AND BOVINE (P) (PARAINFLUENZA OR PIV OR PI-3) AND PLASMID#
- 12 L7 AND (DNA OR PLASMID) (S) (VACCINE OR IMMUNOG##### OR THERAP#
 ##### OR ANTIGEN######)

(FILE 'HOME' ENTERED AT 13:42:03 ON 19 MAY 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:42:58 ON 19 MAY 2003

SEA (DNA (S) (VACCINE OR IMMUN#######)) AND (PARAINFLUENZA## OR

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2 FILE AGRICOLA
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- 32 FILE BIOSIS
- 60 FILE BIOTECHABS
- 60 FILE BIOTECHDS
- 29 FILE BIOTECHNO
- 11 FILE CABA
- 12 FILE CANCERLIT
- 70 FILE CAPLUS
- 1 FILE CEABA-VTB
- · 1 FILE DDFU
- 312 FILE DGENE
 - 9 FILE DRUGU
 - 43 FILE EMBASE
 - 20 FILE ESBIOBASE
 - 18* FILE FEDRIP
 - 1 FILE GENBANK 34 FILE IFIPAT
 - 5 FILE JICST-EPLUS
 - 15 FILE LIFESCI
 - 12 FILE MEDLINE
 - 1 FILE NIOSHTIC
 - 7 FILE NTIS
- 11 FILE PASCAL
- 1 FILE PHARMAML
- 11 FILE PHIN
- 10 FILE PROMT
- 35 FILE SCISEARCH
- 6 FILE TOXCENTER
- 1026 FILE USPATFULL
 - 23 FILE USPAT2
 - 19 FILE VETU
 - 30 FILE WPIDS ·
 - 30 FILE WPINDEX

QUE (DNA (S) (VACCINE OR IMMUN######)) AND (PARAINFLUENZA## OR

¹ FILE BIOCOMMERCE

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO, LIFESCI, EMBASE, SCISEARCH' ENTERED AT 13:50:47 ON 19 MAY 2003

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L3	132	DUP RE	M L2 (104	DUP	LICATE	S REMOVE	ED)						
L4	24	S L3 A	ND BOVINE	(P)	(PARA	INFLUEN2	A OR	PIV	OR	PI-3)	AND	(N	IEURA
L5	12	S L3 A	ND BOVINE	(P)	(PARA	INFLUENZ	A OR	PIV	OR	PI-3)	AND	PLA	SMID
L6	0	S L5 N	OT L4										
L7	. 25	S L3 N	OT PY>199	5									
L8	12	S L7 A	ND (DNA C	R PL	ASMID)	(S) (VA	CCIN	E. OR	IM	MUNOG#	####	OR	THER
L9	11	S L8 N	OT L4										
L10	24	S L7 N	OT L4										
L11	1	S L8 A	ND L4										

- L4 ANSWER 1 OF 24 MEDLINE
- Mucosal immunization of rhesus monkeys against respiratory syncytial virus subgroups A and B and human parainfluenza virus type 3 by using a live cDNA-derived vaccine based on a host range-attenuated bovine parainfluenza virus type 3 vector backbone.
- AU Schmidt Alexander C; Wenzke Daniel R; McAuliffe Josephine M; St Claire Marisa; Elkins William R; Murphy Brian R; Collins Peter L
- SO JOURNAL OF VIROLOGY, (2002 Feb) 76 (3) 1089-99. Journal code: 0113724. ISSN: 0022-538X.
- L4 ANSWER 2 OF 24 MEDLINE
- TI Expression of the surface glycoproteins of human parainfluenza virus type 3 by bovine parainfluenza virus type 3, a novel attenuated virus vaccine vector.
- AU Haller A A; Miller T; Mitiku M; Coelingh K
- SO JOURNAL OF VIROLOGY, (2000 Dec) 74 (24) 11626-35. Journal code: 0113724. ISSN: 0022-538X.
- L4 ANSWER 3 OF 24 MEDLINE
- Immune responses and protection induced by DNA vaccines encoding bovine parainfluenza virus type 3 glycoproteins.
- AU van Drunen Littel-van den Hurk S; Braun R P; Karvonen B C; King T; Yoo D; Babiuk L A
- SO VIROLOGY, (1999 Jul 20) 260 (1) 35-46. Journal code: 0110674. ISSN: 0042-6822.
- L4 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI **DNA vaccines** encoding **immunogen** of pathogen of farm animals such as bovines and porcines for therapy
- IN Audonnet, Jean-Christophe Francis; Fischer, Laurent Bernard;
 Barzu-le-Roux, Simona
- SO U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S. Ser. No. 760,574. CODEN: USXXCO
- L4 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Recombinant infectious bovine rhinotracheitis virus with US2, gE and gG genes deleted for use as vaccine
- IN Cochran, Mark D.
- SO U.S., 133 pp., Cont.-in-part of U.S. 5,834,305. CODEN: USXXAM
- L4 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Improved DNA vaccines for livestock
- IN Audonnet, Jean-Christophe Francis; Fischer, Laurent Bernard;
 Barzu-le-Roux, Simona
- SO PCT Int. Appl., 79 pp. CODEN: PIXXD2
- L4 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2003 ACS
- ${\tt TI}$ Recombinant swinepox virus for expression of foreign antigens in vaccine preparations .
- IN Cochran, Mark D.; Junker, David E.
- SO U.S., 191 pp., Cont.-in-part of Appl. No. PCT/US96/01485. CODEN: USXXAM
- L4 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Production of attenuated, human-bovine chimeric respiratory syncytial virus vaccines
- IN Buchholz, Ursula; Collins, Peter L.; Murphy, Brian R.; Whitehead, Stephen

- S.; Krempl, Christine D.
- PCT Int. Appl., 148 pp. SO CODEN: PIXXD2
- L4ANSWER 9 OF 24 CAPLUS COPYRIGHT 2003 ACS
- Attenuated human-bovine chimeric parainfluenza virus TIvaccines
- Schmidt, Alexander C.; Skiadopoulos, Mario H.; Collins, Peter L.; Murphy, IN Brian R.; Bailly, Jane E.; Durbin, Anna P.
- PCT Int. Appl., 150 pp. SO

CODEN: PIXXD2

- ANSWER 10 OF 24 CAPLUS COPYRIGHT 2003 ACS L4
- Recombinant parainfluenza virus vaccines attenuated by deletion TIor ablation of a non-essential gene
- Durbin, Anna P.; Collins, Peter L.; Murphy, Brian R. IN
- SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

- ANSWER 11 OF 24 CAPLUS COPYRIGHT 2003 ACS L4
- DNA vaccine for protecting an avian against infectious TIbursal disease virus
- Aboud-Pirak, Esther; Pirak, Michael E.; Shaoul, Esther; Monadeev, Limor IN
- PCT Int. Appl., 39 pp. SO

CODEN: PIXXD2 ·

- L4ANSWER 12 OF 24 CAPLUS COPYRIGHT 2003 ACS
- Production of attenuated negative stranded RNA virus vaccines from cloned TInucleotide sequences
- Murphy, Brian R.; Collins, Peter L.; Durbin, Anna P.; Skiadopoulos, Mario INΗ.
- PCT Int. Appl., 137 pp. SO CODEN: PIXXD2
- ANSWER 13 OF 24 CAPLUS COPYRIGHT 2003 ACS L4
- Recombinant swinepox virus for expression of foreign antigens in vaccine TIpreparations
- Cochran, Mark D.; Junker, David E. IN
- U.S., 188 pp., Cont.-in-part of U.S. 5,382,425. SO CODEN: USXXAM
- L4ANSWER 14 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Construction and characterization of a recombinant bovine Herpesvirus vector expressing bovine viral diarrhea virus glycoprotein E2 gene and its use as vaccines
- Gunther, Michael IN
- Eur. Pat. Appl., 38 pp. SO CODEN: EPXXDW
- ANSWER 15 OF 24 CAPLUS COPYRIGHT 2003 ACS L4
- Recombinant bovine herpesvirus type 1 vaccines TI
- Zamb, Timothy; Liang, Xiaoping; Babiuk, Lorne A. IN
- U.S., 56 pp., Cont.-in-part of U.S. Ser. No. 51,448, abandoned. SO CODEN: USXXAM
- ANSWER 16 OF 24 CAPLUS COPYRIGHT 2003 ACS L4
- Recombinant swinepox virus for expression of foreign antigens in vaccine TIpreparations
- Cochran, Mark D.; Junker, David E. IN
- U.S., 262 pp., Cont.-in-part of U.S. Ser. No. 375,922. SO CODEN: USXXAM

- L4 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Polymer adjuvants for use with vector vaccines
- IN Audonnet, Jean-christophe Francis; Minke, Jules Maarten
- SO PCT Int. Appl., 37 pp. CODEN: PIXXD2
- L4 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Recombinant fowlpox viruses and uses thereof
- IN Cochran, Mark D.; Junker, David E.
- SO U.S., 61 pp. CODEN: USXXAM
- L4 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Recombinant infectious bovine rhinotracheitis virus vaccines
- IN Cochran, Mark D.; MacDonald, Richard D.
- SO U.S., 115 pp., Cont.-in-part of U.S. Ser. No. 732,584, abandoned. CODEN: USXXAM
- L4 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Production of attenuated **parainfluenza** virus vaccines from cloned nucleotide sequences
- IN Murphy, Brian R.; Collins, Peter L.; Durbin, Anna P.; Skiadopoulos, Mario
 H.; Tao, Tao
- SO PCT Int. Appl., 232 pp. CODEN: PIXXD2
- L4 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Fowlpox virus expression vectors for use in poultry vaccines
- IN Cochran, Mark D.; Junker, David E.; Singer, Philip A.
- SO PCT Int. Appl., 135 pp. CODEN: PIXXD2
- L4 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2003 ACS
- TI Recombinant swinepox virus, homology vectors for their construction, and vaccines based on the recombinant viruses
- IN Cochran, Mark D.; Junker, David E.
- SO PCT Int. Appl., 339 pp. CODEN: PIXXD2
- L4 ANSWER 23 OF 24 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V.
- Compatibility of plasmids expressing different antigens in a single DNA vaccine formulation
- AU Braun R.; Babiuk L.A.; Van Drunen Littel-Van den Hurk S.
- SO Journal of General Virology, (1998), 79/12 (2965-2970), 25 reference(s) CODEN: JGVIAY ISSN: 0022-1317
- L4 ANSWER 24 OF 24 LIFESCI COPYRIGHT 2003 CSA
- TI Synthetic bovine parainfluenza virus.
- AU Rice, J.M.
- SO (1989) . US Cl. 424-89; Int. Cl. A61K 39/155, C07K 13/00, E12P 31/00...

- L4 ANSWER 1 OF 24 MEDLINE
- AN 2002051326 MEDLINE
- DN 21635488 PubMed ID: 11773385
- Mucosal immunization of rhesus monkeys against respiratory syncytial virus subgroups A and B and human parainfluenza virus type 3 by using a live cDNA-derived vaccine based on a host range-attenuated bovine parainfluenza virus type 3 vector backbone.
- AU Schmidt Alexander C; Wenzke Daniel R; McAuliffe Josephine M; St Claire Marisa; Elkins William R; Murphy Brian R; Collins Peter L
- CS Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland 20892, USA. aschmidt@niaid.nih.gov
- NC AI-000030 (NIAID) AI-000087 (NIAID)
- SO JOURNAL OF VIROLOGY, (2002 Feb) 76 (3) 1089-99. Journal code: 0113724. ISSN: 0022-538X.
- CY United States
- DT Journal; Article; (JOURNAL ARTICLE)
- LA English
- FS Priority Journals
- EM 200202
- ED Entered STN: 20020125
 Last Updated on STN: 20020213
 Entered Medline: 20020212
- Reverse genetics was used to develop a two-component, trivalent live AB attenuated vaccine against human parainfluenza virus type 3 (HPIV3) and respiratory syncytial virus (RSV) subgroups A and B. The backbone for each of the two components of this vaccine was the attenuated recombinant bovine/human PIV3 (rB/HPIV3), a recombinant BPIV3 in which the bovine HN and F protective antigens are replaced by their HPIV3 counterparts (48). This chimera retains the well-characterized host range attenuation phenotype of BPIV3, which appears to be appropriate for immunization of young infants. open reading frames (ORFs) for the G and F major protective antigens of RSV subgroup A and B were each placed under the control of PIV3 transcription signals and inserted individually or in homologous pairs as supernumerary genes in the promoter proximal position of rB/HPIV3. The level of replication of rB/HPIV3-RSV chimeric viruses in the respiratory tract of rhesus monkeys was similar to that of their parent virus rB/HPIV3, and each of the chimeras induced a robust immune response to both RSV and HPIV3. RSV-neutralizing antibody titers induced by rB/HPIV3-RSV chimeric viruses were equivalent to those induced by infection with wild-type RSV, and HPIV3-specific antibody responses were similar to, or slightly less than, after infection with the rB/HPIV3 vector itself. This study describes a novel vaccine strategy against RSV in which vaccine viruses with a common attenuated backbone, specifically rB/HPIV3 derivatives expressing the G and/or F major protective antigens of RSV subgroup A and of RSV subgroup B, are used to immunize by the intranasal route against RSV and HPIV3, which are the first and second most important viral agents of pediatric respiratory tract disease worldwide.
- L4 ANSWER 2 OF 24 MEDLINE
- AN 2001083022 MEDLINE
- DN 20541961 PubMed ID: 11090161
- TI Expression of the surface glycoproteins of human parainfluenza virus type 3 by bovine parainfluenza virus type 3, a novel attenuated virus vaccine vector.
- AU Haller A A; Miller T; Mitiku M; Coelingh K
- CS Aviron, Mountain View, California 94043, USA.. ahaller@aviron.com

NC 1R43AI46168-01 (NIAID)

SO JOURNAL OF VIROLOGY, (2000 Dec) 74 (24) 11626-35. Journal code: 0113724. ISSN: 0022-538X.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200101

ED Entered STN: 20010322

Last Updated on STN: 20010322

Entered Medline: 20010111

Bovine parainfluenza virus type 3 (bPIV3) is being AB evaluated as an intranasal vaccine for protection against human PIV3 (hPIV3). In young infants, the bPIV3 vaccine appears to be infectious, attenuated, immunogenic, and genetically stable, which are desirable characteristics for an RNA virus vector. To test the potential of the bPIV3 vaccine strain as a vector, an infectious DNA clone of bPIV3 was assembled and recombinant bPIV3 (r-bPIV3) was rescued. r-bPIV3 displayed a temperature-sensitive phenotype for growth in tissue culture at 39 degrees C and was attenuated in the lungs of Syrian golden hamsters. In order to test whether r-bPIV3 could serve as a vector, the fusion and hemagglutinin-neuraminidase genes of bPIV3 were replaced with those of hPIV3. The resulting bovine /human PIV3 was temperature sensitive for growth in Vero cells at 37 degrees C. The replication of bovine/human PIV3 was also restricted in the lungs of hamsters, albeit not as severely as was observed for r-bPIV3. Despite the attenuation phenotypes observed for r-bPIV3 and bovine/human PIV3, both of these viruses protected hamsters completely upon challenge with hPIV3. In summary, bPIV3 was shown to function as a virus vector that may be especially suitable for vaccination of infants and children against PIV3 and other viruses.

- L4 ANSWER 3 OF 24 MEDLINE
- AN 1999335594 MEDLINE
- DN 99335594 PubMed ID: 10405354
- TI Immune responses and protection induced by DNA vaccines encoding bovine parainfluenza virus type 3 glycoproteins.
- AU van Drunen Littel-van den Hurk S; Braun R P; Karvonen B C; King T; Yoo D; Babiuk L A
- CS Veterinary Infectious Disease Organization, University of Saskatchewan, 120 Veterinary Road, Saskatoon, Saskatchewan, S7N 5E3, Canada.. vandenhurk@sask.usask.ca
- SO VIROLOGY, (1999 Jul 20) 260 (1) 35-46. Journal code: 0110674. ISSN: 0042-6822.
- CY United States
- DT Journal; Article; (JOURNAL ARTICLE)
- LA English
- FS Priority Journals
- EM 199908
- ED Entered STN: 19990910 Last Updated on STN: 19990910 Entered Medline: 19990824
- AB This study was designed to assess the parameters influencing the magnitude and type of immune responses generated to plasmids encoding the hemagglutinin/neuraminidase (HN) and

fusion (F) proteins of bovine parainfluenzavirus type 3 (BPIV3). Mice immunized with plasmids expressing HN or F under control of the Rous sarcoma virus long terminal repeat promoter were primed, but they did not develop measurable immune responses. In contrast, strong humoral and cellular immune responses were

induced with constructs containing the human cytomegalovirus immediate-early promoter and intron A. After immunization with both HN- and F-encoding plasmids, enhanced responses were observed. Analysis of in vitro protein synthesis confirmed that the presence of the intron is crucial for the expression of the BPIV3 HN gene. Plasmid encoding HN induced significantly higher serum antibody titers by intradermal injection than by intramuscular delivery, whereas antigen-specific T cell proliferation was stronger in intramuscularly injected mice. Both the isotype ratios and the cytokine profiles indicated a Th1-type response after intramuscular immunization and a mixed to Th2-type response in intradermally immunized mice. A plasmid encoding a truncated, secreted form of HN induced a Th2-type immune response, regardless of the route of delivery. In cotton rats, HN- and F-encoding plasmids conferred protection from BPIV3 challenge. Copyright 1999 Academic Press.

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L4 ANSWER 4 OF 24 CAPLUS COPYRIGHT 2003 ACS
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- AN 2003:281961 CAPLUS
- DN 138:302635
- TI **DNA vaccines** encoding **immunogen** of pathogen of farm animals such as bovines and porcines for therapy
- IN Audonnet, Jean-Christophe Francis; Fischer, Laurent Bernard;
 Barzu-le-Roux, Simona
- PA Fr.
- SO U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S. Ser. No. 760,574. CODEN: USXXCO
- DT Patent
- LA English
- FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	US 2003068360	A1	20030410	US 2001-766442	20010119		
	FR 2804028	A1	20010727	FR 2000-798	20000121		
	US 2002058021	A1	20020516	US 2001-760574	20010116		
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	US 2001-760574	A2	20010116				
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- OS MARPAT 138:302635
- ABProvided is a recombinant vaccine comprising immunogen against a pathogen of a bovine or porcine, wherein the DNA vaccine or immunogenic compn. comprises a plasmid contg. a nucleotide sequence encoding an immunogen of pathogen or the bovine or porcine, under conditions allowing the in vivo expression of this sequence, and a cationic lipid contg. quaternary ammonium salt. The recombinant vaccine may comprises bovine herpes virus-1 antigen e.g. gB, gC or gD; bovine respiratory syncytial virus antigen e.g. F or G protein; bovine viral diarrhea virus type 1 or 2 antigen e.g. E0 or E2 protein; bovine parainfluenza virus type 3 antigen e.g. HN or F protein; pseudorabies virus antigen e.g. gB, gC or gD glycoprotein; or porcine reproductive respiratory syndrome virus antigen e.g. ORF3, ORF5 or ORF6 protein; or swine influenza virus HA or NA protein.
- L4 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2003 ACS
- AN 2002:482988 CAPLUS
- DN 137:62138
- TI Recombinant infectious bovine rhinotracheitis virus with US2, gE and gG genes deleted for use as vaccine
- IN Cochran, Mark D.

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PA
     Syntro Corporation, USA
SO
     U.S., 133 pp., Cont.-in-part of U.S. 5,834,305.
     CODEN: USXXAM
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     English
FAN. CNT 18
     PATENT NO.
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     The present invention provides a recombinant infectious bovine
AB
     rhinotracheitis designated S-IBR-052 (ATCC Accession No. VR 2443). The
     present invention also provides a vaccine which comprises an effective
     immunizing amt. of the recombinant infectious bovine rhinotracheitis virus
     designated S-IBR-052 and a suitable carrier. The present invention
     provides homol. vectors, methods of immunization and a method of
     distinguishing an animal vaccinated with the vaccines of the present
     invention from an animal infected with a naturally-occurring infectious
    bovine rhinotracheitis virus.
              THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 47
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
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L4 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2003 ACS

AN 2001:545519 CAPLUS

DN 135:142202

TI Improved DNA vaccines for livestock

IN Audonnet, Jean-Christophe Francis; Fischer, Laurent Bernard;

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Barzu-le-Roux, Simona
      Merial, Fr.
 PA
      PCT Int. Appl., 79 pp.
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      CODEN: PIXXD2
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      Patent
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      French
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                             DATE
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     EP 1248650
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PRAI FR 2000-798
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     MARPAT 135:142202
OS
     The invention concerns a DNA vaccine against a
AB
     pathogen affecting livestock, in particular cattle and swine, comprising a
     plasmid contg. a nucleotide sequence coding for an immunogen of
     a pathogen of the animal species concerned, in conditions enabling the
     expression in vivo of said sequence, and a cationic lipid contg. a
     quaternary ammonium salt, of formula R1-O-CH2-CH(OR1)-CH2-N+(CH3)2-R2 X-,
     wherein: R1 is a linear aliph. radical, satd. or unsatd., having 12 to 18
     carbon atoms; R2 is another aliph. radical, contg. 2 or 3 carbon atoms;
     and X is a hydroxyl or amine group, said lipid being preferably DMRIE.
     ANSWER 7 OF 24 CAPLUS COPYRIGHT 2003 ACS
L4
     2001:294879 CAPLUS
AN
DN
     134:321576
     Recombinant swinepox virus for expression of foreign antigens in vaccine
TI
     preparations
     Cochran, Mark D.; Junker, David E.
IN
PA
     Syntro Corp., USA
     U.S., 191 pp., Cont.-in-part of Appl. No. PCT/US96/01485.
SO
     CODEN: USXXAM
     Patent
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LA ·
     English
FAN.CNT 11
     PATENT NO.
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    US 6328975
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      WO 9804684
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                                             WO 1997-US12212
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                                            NZ 1997-333975
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     MX 9900844
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                             20000131
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PRAI US 1995-375992
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     US 1995-488237
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     US 1995-375922
                       A2
                             19950119
     US 1996-686968
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                             19960725
     WO 1997-US12212
                        W
                             19970725
     This invention provides a recombinant swinepox virus comprising a foreign
AB
     DNA inserted into a swinepox virus genomic DNA, wherein the foreign DNA is
     inserted into an EcoRI site within the approx. 3.2 Kb subfragment of the
     HindIII K fragment of the swinepox virus genomic DNA and is capable of
     being expressed in a swinepox virus infected host cell.
     further provides a recombinant swinepox virus designated S-SPV-120,
     S-SPV-121, S-SPV-122, S-SPV-127, and S-SPV-128. The invention further
     provides vaccines and methods of immunization of the recombinant swinepox
     virus.
              THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 1
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 9 OF 24 CAPLUS COPYRIGHT 2003 ACS
L4
     2001:50823 CAPLUS
AN
DN
     134:114831
     Attenuated human-bovine chimeric parainfluenza virus
TI
     vaccines
     Schmidt, Alexander C.; Skiadopoulos, Mario H.; Collins, Peter L.; Murphy,
IN
     Brian R.; Bailly, Jane E.; Durbin, Anna P.
     United States Department of Health and Human Services, USA
PA
SO
     PCT Int. Appl., 150 pp.
     CODEN: PIXXD2
DT
     Patent
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APPLICATION NO.

WO 2000-US17066

DATE

20000616

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FAN. CNT 1

English

PATENT NO.

WO 2001004320

KIND DATE

A1

20010118

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             LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
             SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA,
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             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     AU 2000056303
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     EP 1194564
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         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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     JP 2003504064
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PRAI US 1999-143134P
                       Ρ.
                            19990709
     WO 2000-US17066
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                       W
     Chimeric human-bovine parainfluenza viruses (
AB
     PIVs) are infectious and attenuated in humans and other mammals
    and useful individually or in combination in vaccine formulations for
     eliciting an anti-PIV immune response. Also provided are
     isolated polynucleotide mols. and vectors incorporating a chimeric
     PIV genome or antigenome which includes a partial or complete
    human or bovine PIV "background" genome or antigenome
    combined or integrated with one or more heterologous gene(s) or genome
    segment(s) of a different PIV. Chimeric human-bovine
    PIV of the invention include a partial or complete "background"
    PIV genome or antigenome derived from or patterned after a human
    or bovine PIV virus combined with one or more
    heterologous gene(s) or genome segment(s) of a different piv
    virus to form the human-bovine chimeric PIV genome or
    antigenome. In certain aspects of the invention, chimeric PIV
    incorporate a partial or complete human PIV background genome or
    antigenome combined with one or more heterologous gene(s) or genome
    segment(s) from a bovine PIV, whereby the resultant
    chimeric virus is attenuated by virtue of host-range restriction.
    alternate embodiments, human-bovine chimeric PIV
    incorporate a partial or complete bovine PIV
    background genome or antigenome combined with one or more heterologous
    gene(s) or genome segment(s) from a human PIV gene that encode a
    human PIV immunogenic protein, protein domain or epitope, for
    example encoded by PIV HN and/or F
    glycoprotein gene(s) or genome segment(s). Human-bovine
    chimeric PIV of the invention are also useful as vectors for
    developing vaccines against other pathogens. A variety of addnl.
    mutations and nucleotide modifications are provided within the human-
    bovine chimeric PIV of the invention to yield desired
    phenotypic and structural effects.
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RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L9 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2003 ACS
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AN 1986:419849 CAPLUS

DN 105:19849

Molecular cloning of the bovine parainfluenza virus type 3 hemagglutinin DNA and its use in vaccine preparation

IN Rice, J. M.

PA Grace, W. R., and Co., USA

SO Belg., 55 pp. CODEN: BEXXAL

DT Patent

LA French

FAN.CNT 1

	U-112 -						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PΙ	BE 902921	A1	19851118	BE 1985-215370	19850717		
	US 4743553	Α	19880510	US 1984-632106	19840718		
	CN 85100949	Α	19870110	CN 1985-100949	19850401		
	AU 8544417	A1	19860123	AU 1985-44417	19850628		
	AU 588238	B2	19890914				
	DE 3524736	A1	19860130	DE 1985-3524736	19850711		
	DK 8503261	Α	19860119	DK 1985-3261	19850717		
	GB 2161814	A1	19860122	GB 1985-17994	19850717		
	FR 2567905	A1	19860124	FR 1985-10975	19850717		
	FR 2567905	B1	19880311		25000.2.		
	NL 8502063	Α	19860217	NL 1985-2063	19850717		
	ES 545299	A1	19860716	ES 1985-545299	19850717		
	US 4847081	Α	19890711	US 1987-14499	19870330		
PRAI	US 1984-632106		19840718		250,0330		

AB A cDNA to the hemagglutinin protein of bovine parainfluenza virus type 3 was prepd., sequenced, and cloned. The protein isolated by this method could be used as a vaccine or in a diagnostic kit. Thus, total mRNA from virus infected host-cells was prepd. and used to prep. cDNA library in Escherichia coli. The transformants were sepd. into 6 different groups by reciprocal hybridization. Group A was identified as cDNAs encoding the nucleocapsid protein and group C as cDNAs encoding hemagglutinin by hybridization with the bovine parainfluenza virus and in vitro translation of mRNAs selected by the clones.

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L11 ANSWER 1 OF 1 LIFESCI COPYRIGHT 2003 CSA
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- AN 89:17102 LIFESCI
- TI Synthetic bovine parainfluenza virus.
- AU Rice, J.M.
- CS J.R. Grace & Co.-Conn., New York, NY (USA)
- PI US 4847081 1989
- SO (1989) . US Cl. 424-89; Int. Cl. A61K 39/155, C07K 13/00, E12P 31/00...
- DT Patent
- FS W; A
- LA English
- The author describes a synthetic bovine parainfluenza type-3 viral hemagglutinin or structural fusion protein containing an active antigenic site, produced by culturing a host cell comprising a double-stranded DNA gene or DNA fragment characterized in that it: (a) codes for a bovine parainfluenza type-3 viral hemagglutinin or structural fusion protein, and (b) is a copy of the viral RNA gene coding for said protein. The author also describes a vaccine against bovine parainfluenza type-3 virus.